

Araldite Adhesives and Casting Resins, by K. Meyerhans

GERMAN, Kunststoffe, 41 (11) 365-373, 1941.

R. A. E. Farnborough Tr No 401

Scientific

Gorol, H.  
TOLERANCES OF SYNTHETIC RESIN-BOUND  
CONSOLIDATED PRODUCTS AND THEIR STAND-  
ARDIZATION. [1963] 10p (figs. tables omitted) 1 ref  
Order from SLA \$1.10 63-18520

Trans. of Kynshtoffe (West Germany) 1941 [v. 31]  
no. 6 [p. 223-225].

DESCRIPTORS: \*Thermosetting plastics, \*Tolerances  
(Mechanics), Standards.

(Materials--Plastics, TT, v. 10, no. 10)

63-18520

I. Gorol, H.

Office of Technical Services

Münzinger, Walther M.  
PROGRESS IN THE FIELD OF PLASTICIZERS.  
11 Nov 48, 14p. (table, refs. omitted).  
Order from SLA \$1.60      62-18420

Trans. of Kunststoffe (Germany) 1941, v. 31, no. 11,  
p. 389-395.

DESCRIPTORS: \*Plasticizers, Chemical industry,  
Bonding, Classification.

(Materials--Plastics, TT, v. 9, no. 3)

62-18420

I. Münzinger, W. M.

Office of Technical Services

Absorption of Water and Swelling of Plastics, by  
R. Vitzweg, W. Schneider, 11 pp.

GERMAN, per, Kunststoffe, Vol. XXI, No 12, 1961,  
pp 417-421.

SLA 59-15223

SEP 59

Sci - Chemistry

Sep 59

Vol. XX, No 2

98,639

Modern Plastics As Raw Materials for Adhesives,  
by Albert Petz, 9 p.

GERMAN, par, Kunststoffe, 1942, Vol XXXII, No 2,  
pp 49-54.

SLA 59-17678

Sci  
Feb 60  
Vol 2, No 10

108,893

Polyvinylacetal Resins, by H. Gitello, 5 p.

GERMAN, per, Kunststoffe, 1942, Vol XXXII, No 6,  
pp 180-182. (Digest of Revue Generale du  
Caoutchouc 1941, Vol XVIII, pp 158-208, 223-235).

SLA 59-17679

Sci  
Feb 60  
Vol 2, No 10

108,864

Dimensioning of Injection Molds for Hardenable  
Plastics, by B. Weprek, 11 pp.

GERMAN, per, Kunststoffe, Vol XXXII, No 7, 1942,  
pp 217-220.

SIA 60-14412

Sci  
Feb 62  
Vol III, No 11.

*182, 818*

Ehlers, G.  
THE STRUCTURE OF RESIN-BOUND CONSOLIDATED  
PRODUCTS. [1963] 6p (figs. omitted) 2 refs  
Order from SLA \$1.10 63-18521

Trans. from Kunststoffe (West Germany) 1943 [v. 33]  
no. 4.

DESCRIPTORS: "Thermosetting plastics, Stability,  
Mechanical properties, Absorption, Moisture, Costs,  
Material forming, Design, Tolerances (Mechanics).

(Materials--Plastics, TT, v. 10, no. 10)

63-18521

I. Ehlers, G.

Office of Technical Services

62-18344

Greulich, E.  
THE EFFECT OF SOLVENTS AND IMPREGNATING  
LACQUERS ON SYNTHETIC RESIN ENAMELED WIRE.  
[1962] 11p. (figs. tables refs. omitted).  
Order from SLA \$14.60

62-18344

Trans. of Kunststoffe (Germany) 1944, v. 34 [no. 3]  
p. 51-57.

DESCRIPTORS: \*Wire, \*Enamel coatings, \*Plastics,  
Varnishes, Impregnation, Organic solvents, Chemical  
properties.

With the aid of the "pencil test", which makes it possible  
to determine the hardness of the enamel coating on  
enameled wires, studies were performed on the be-  
havior of synthetic resin enameled wire toward the  
action of solvents and lacquers (comparative tests also  
being conducted on oil-enamel coatings). In most in-  
(Metallurgy, IT, v. 9, no. 5) (over)

1. Greulich, E.

Office of Technical Services

A Recording Micro-Balance for Diffusion Measurements  
on Plastic Membranes, by R. Vieweg, Th. Gast, 10 pp.

GERMAN, per, Kunststoffe, Vol XXXIV, 1944, pp 117-  
119.

· ABC MP 163

Sci - Phys

Dec 58

78, 235

Urea and Sulfamide as Starting Materials for New Synthetic Resins and Urea and Sulfamide as Starting Materials for New Plastics, by A. M. Paquin, 51 pp.

GERMAN, per, Kunststoffe, Vol XXXVII, 1947, pp 25-29, 165-172.

S.L.A. Tr No 468/1955

Sci - Chemistry  
Jan 1957 CTS/dax

45, 841

Helmach, E.  
OEL. REACTIVITY OF PHENOLIC ESTERS. See 44,  
F. 10 words  
Order from I.S.A. \$311.00

Trans. of Konradshilp (West Germany) 1947, v. 37,  
no. 2/3, p. 46-48.

DESCRIPTION: Phenolic esters, 40/5.  
Chemical reactions.

Abstracts---Nations, TT. v. 11, no. 11

TT-64-1227

L. Helmach, E.  
E. Literature Service  
Associates, Bound Brook,  
N. J.

Office of Technical Services

Urea and Sulfamide as Starting Materials for New  
Synthetic Resins and Urea and Sulfamide as Start-  
ing Materials for New Plastics, by A. M. Paquin,  
51 pp.

CHIMIE, par, Kunststoffe, Vol XLVII, 1957, pp 25-  
29, 165-172.

U.L.A. Tr No 461/1955

Sci. Chemistry  
Jan 1957 OES/Box

45, 84

TT-64-1237

Holzsch, K.  
OIL REACTIVITY OF PHENOLIC RESINS. Jan 64.  
2780 words  
Order from LSA \$25.00

Times. of Kunststoffe (West Germany) 1947, v. 37,  
no. 2/3, p. 43-63.

DESCRIPTORS: \*Phenolic plastics; Oils.  
Chemical reactions.

L. Holzsch, K.  
El. Literature Service  
Associates, Bound Brook,  
N. J.

Materials--Plastics. TT, v. 11, no. 11)

Office of Technical Services

Softening Agent for Linear Polycondensates, by  
K. Thinius. UNCLASSIFIED

GERMAN, per, Kunststoffe, Vol XXVIII, No 5, 6,  
1948, pp 108-110. CIA 9031276

TIL 4889

881 - Chem  
Dec 58

77,559

CHIEF, R.  
SYNTHETIC THERMOPLASTIC MATERIALS  
17p. (info. from 1 source)  
Order from S.A. 91. 80

Trans. of Komsomolsk (USSR) 1970, 3.  
no. 11 p. 1-7

DESCRIPTORS: "Thermoplastics", "Thermoplasticity",  
Molecular structure, Aging, Resin, Thermoplastic  
Crystallization, Polymers, Crystallization, Polymers, Crystallization

(Mikheevskaya--Plastika, TT, 1970, 3)

Page 2 of 2

SYNTHETIC FIBRILATED PESTIC MATERIAL. 7 IN. 4 1/2 IN.  
17p. (table) [1955] New York, N.Y.  
Order from ALA \$1.60 62-1083

Trans. of the Weather Bureau, Cleveland: 1904 (2), 34, no. 11 p. 12

DISCRIPTION: Phase is: Thermoplastic resin.  
Molecular structure: Linear. Reactions: Polymerizes, Cures, Crosslinks, Degrades, etc.  
Crystalization: Yes, Induced. Solubility: Soluble in many organic solvents.

(Materials - Plastics, TT, v. 9, no. 1)

62-14475

1. Oct. 8,

Office of Technical Services

V  
Chemistry and Technology of Low-Temperature  
Polymerizates of Synthetic Rubber, by W. Becker.

GEBIAN, WILF. Kunststoffe, Vol XL, 1950, pp 328, 329

QND Tr  
QNT-246

Scientific - Chemistry

13,966  
Jan 52 CTS

Gilb, Rudolf.  
CHANGES IN THE INTERNAL STRUCTURE OF  
PLASTIC MATERIALS AND THEIR INFLUENCE ON  
THE PROPERTIES. (Die Beeinflussung der  
Eigenschaften von Kunststoffen durch Veränderung ihres  
Aufbaues). [1964] 13p 4rpts  
Order from SLA \$1.60

TT-64-16052

Trans. of Kunststoffe (West Germany) 1951, v. 41,  
no. 1, p. 1-6.

(Materials--Plastics, TT, v. 12, no. 4)

TT-64-16052

L. Gilb, R.

Office of Technical Services

TT-64-16065

Wolf, Karl.  
RELATION BETWEEN MECHANICAL AND ELECTRICAL PROPERTIES OF HIGH POLYMERS.  
(Beziehungen Zwischen Mechanischem und Elektrischem Verhalten von Hochpolymeren). [1964] [21p] 24refs  
Order from SLA \$2.60      TT-64-16065

J. Wolf, K.

Trans. of Kunststoffe (West Germany) 1951, v. 41,  
no. 3, p. 89-97.

(Materials--Plastics, TT, v. 12, no. 4)

Office of Technical Services

A Method for the Determination of the Reactivity of  
Phenolic Resins Which are Capable of Being Hardened,  
by H. F. Muller, I. Muller, 13 pp.

GERMAN, per, Kunststoffe, Vol XLI, No 6, 1951, pp  
186-188.

SLA 57 3567

Sci

Jul 59

92,681

Studies in the Field of Urea-Formaldehyde Condensation, by G. Zigeuner, 17 pp.

GERMAN, per, Kunststoffe, Vol XLI, pp 221-224, 1951.

SLA 3302

Sci - Chem  
Aug 58

70.575

Rev Ideas on the Frictional Properties of Polyamides,  
Part I, by H. R. Jacobi, 17 pp.

GERMAN, per, Kunststoffe, Vol XLVII, 1951, pp 234-  
239.

NOT RELEASABLE TO FOREIGN NATIONALS

CIA/FDD XX-426

Sci - Chem  
Apr 58

IAC INTERNAL USE ONLY

62,555

The Assessment of the Degree of Gelatinization of  
Leathercloth Made of PVC Paste, by A. Kling.

GERMAN, per, <sup>st</sup>Kunststoffe, Vol XLI, No 8, <sup>1</sup>1958, pp 240-242.

ASLIB-GB35)

Sci

Aug 59

95,384

Araldite Adhesives and Casting Resins, by  
K. Meyerhands.

GERMAN, per, Kunststoffe, Vol XLI, No 11,  
1951, pp 365-373.

GB/55/401

Sci  
Dec 62

Observations on the Processing and Use of "Araldit"  
as Binding Agent and Casting Resin, by K. Meyerhans,  
19 pp.

GERMAN, per, Kunststoffe, Vol XLII, No 12, 1951.

SLA Tr 57-986

Sci . Chemistry  
Feb 58

58, 528

Newer Polyadducts and Their Possibilities of Technical  
Application, by Hans Orth, 14 pp.

Full translation.

GERMAN, KH per, Kunststoffe, Vol XLI, No 12, 1951,  
pp 454-457.

S.L.A.

Scientific - ~~Biological~~

Aug 55

TT-64-10793

Lindemann, H.  
RESULTS IN THE MANUFACTURE OF CELLULAR  
MATERIAL. [1964] 15p (figs omitted)  
Order from SLA \$1.60

TT-64-10793

Trans. of Kunststoffe (West Germany) 1952, v. 42,  
no. 1, p. 9-12.

I. Lindemann, H.

(Materials--Plastics, TT, v. 12, no. 2)

Office of Technical Services

61-10712

L. Stoeckert, K.

FEB 11 1960

10060

Office of Technical Services

Stoeckert, K.  
TESTING STABILIZERS FOR POLYVINYL CHLO-  
RIDES. [Wie Prüf Man Stabilisatoren für Polyvinyl-  
chlorid]. [1961] 3p. 3 refs.  
Order from SLA \$1. 10

61-10712

Trans. of Kunststoffe (West Germany) 1952 [v. 42]  
no. 6, p. 45-p. 46.

DESCRIPTORS: \*Vinyl chlorides, Mixtures, Stability,  
Additives, Production, Temperature, \*Polymers, Test  
methods.

(Materials--Plastics, TT, v. 6, no. 8)

To What Extent is the Internal Connection Between  
Composition and Technical Behavior in Phenolic  
Resins Recognizable?, by H. F. Muller, I. Muller,  
31 pp.

GERMAN, per, <sup>n</sup>Kunststoffe, Vol XLII, Mar 1952,  
pp 57-63.

SLA 57-3573

Sci

Jul 59

92,682

MINISTYOPPE  
1952 V42 NB P169-170 70-20858 (>)  
1954 V44 P542-546 70-20859 (>)  
1954 V44 N12 P549-576 70-12751-111 (>)  
1955 V45 N3 P122-124 70-20860 (>)  
1956 V46 P143-147 70-20862 (>)  
1956 V46 NB P221-226 70-20861 (>)  
1957 V47 P575 70-21067 (>)  
1957 V47 N4 P154-163 70-20863 (>)  
1952 V52 NB P492-494 70-12750-111 (>)  
1953 V53 N1 P11-18 70-20864 (>)  
1953 V53 N10 P746-748 70-10503-131 (>)  
1954 V54 P557-564 SC-1-68-1506 (=)

ORDER FROM NTC

States of Molecular Order in High Polymers and Their  
Importance for the Technical Properties of Such  
Polymers, by H.A. Stuart

GERMAN, Kunststoffe, Vol 42, No 9, pp 22 266-272,  
1952.

1337

H.A.E. Farnborough Tr No 414

Scientific - Physics

Chief Superintendent, Armament Research  
Establishment, Fort Halstead, Nr. Sevenoaks, Kent.

GB/55/414

Relations Between Macromolecular Structure and  
Deformation-Mechanical Properties, by A. V. Blom.  
17 pp.  
GERMAN, per, Kunststoffe, Vol 42, No 12, 1952,  
pp 433-436.  
SLA TT-64-16050

Sci/Materials  
Jun 67

327,705

The Plasticization of High Polymers,  
by Franz Wurstlin, Hermann Klein,  
19 pp.

GERMAN, per, Kunststoffe, Vol XI,  
No 12, 1952, pp 445-449.

*Lang. in Bu*  
SLA 850-16280

Sci  
Mar 62  
Vol IV, No 2

*K-H 5309c*  
*188,835*

Lightweight Materials and Their Uses, by Peter Hoppo,  
45 pp.

GERMAN, per, Kunststoffe, Vol XLII, No 12, 1952,  
pp 450-459.

Dept of Commerce  
Patent Office  
Sci Lib (gift)

Sci - Engineering  
Jul 59

92,138

Employment of Polyamides and Polyurethanes in the  
Processing of Soft PVC, 8 pp. UNCLASSIFIED

GERMAN, per, Kunststoffe, Mar 1953.

G-2, GSUSA G-1059

Scientific - Chemistry

Aug 53 CTS

4802

Theory and Practice of the Stabilization of Vinyl  
Compounds, by G. Mack, 36 pp.

GERMAN, per, Kunststoffe, Vol XLIII, Mar 1953,  
pp 94-101.

SLA Tr 57-1191

Sci - Chemistry  
Feb 58

58,527

J-1219/63

Identification of the Type of Resin and Filler  
of Laminated Plastics, by E. Wandenberg, 7 pp.

GERMAN, per, Kunststoffe, Vol XLIII, No 4, 1953,  
pp 165-166.

*[Handwritten mark]*  
\*JPRS/NY-7823  
(Special)

Sci - M/M  
Sep 63

Synthetic Resins With Epichlorohydrin, by J. Schrade,  
23 pp.

Full translation.

GERMAN, per, Kunststoffe, Vol XLIII, No 7, 1953,  
pp 266-270.

S.L.A.

Scientific -- Chemistry

27, 268

Aug 55

Impact-Resistant Polystyrene, by H. Hain,  
10 pp.

GERMAN, per, Kunststoffe, Vol XLIII, 1953,  
pp 397-399.

SLA 3324

Sci

Aug 58

71,638

Acoustics and Plastics, by H. Oberst.

GIEBMAN, per, Kunststoffe, Vol XLIII, 1953,  
pp 446-454.

ASLIB-GB57

Sci  
Aug 58

70,826

Acrylonitrile as a Comonomer in Hard Acrylate  
Plastics, by K. Tossner, 24 pp.

GERMAN, p. 496-502. Kunststoffe, Vol. XLIII, 1953.

S.A. Tr 62-14538

S.L.A. Tr 793/1956

Sci - Chemistry  
Oct 56 CTS

39,934

TT-21-2-1952

Processing of Polyamides by Extrusion, by J. F.  
Kohlwey.

GERMAN, per, Kunststoffe, Vol XLIV, No 1, Jan 1954,  
pp 3-5.

TPA3/TIB  
T 4432

Scientific - Engineering  
CTS 75/Dec 55

29,347

Extruding Polystyrene. II. Processing Methods,  
7pp  
GERMAN, per, Kunststoffe, Vol. 44, 1954, No 2,  
pp 77-79  
SLA TP-64-20337

Sci - Mat  
June 67

327,480

Henning, A. R.  
GLASS FIBER REINFORCEMENTS AND THEIR USE  
IN SYNTHETICS. [1961] 6p. ([refs.] 8 figs., omitted).  
Order from SLA \$1.10 62-10410

Trans. of Kunststoffe (West Germany) 1954, v. 44,  
no. 4, p. 131-133.

DESCRIPTORS: \*Glass textiles. Reinforcing materials.  
Synthetic fibers. Resins. Plastics.

(Materials--Ceramics. IT, v. 7, no. 9)

62-10410

1. Henning, A. R.

Office of Technical Services

Chemical Stability of Ethoxylene Resins; the  
Behavior of Araldite Casting Resin E Towards  
Chemicals, by K. Meyerhaus,

GERMAN, per, Kunststoffe, Vol XLIV, No 4,  
Apr 1954, pp 135-142.

CIA/FDD X-2389  
R.A.E. Farnborough

23,579 Tr No 507

Scientific - Chemistry May 55 CTS

61-20946

Staatny, Fritz.  
STYROPOF: NEW POROUS SYNTHETIC (Styropor; ein  
Neuartiger, Poröser Kunststoff). [1961] 39p. (39 figs.  
omitted) + refs.  
Order from SLA \$3.60

61-20946

Trans. of Kunststoffe (West Germany) 1954, v. 44,  
no. 4, p. 173-180 and no. 5, p. 221-226.

DESCRIPTORS: \*Styrenes, \*Polymers, Porosity, \*Ex-  
panded plastics, Porous materials.

(Materials--Plastics, TT, v. 7, no. 7)

1. Title: Styropor
1. Staatny, F.

Office of Technical Services

Schröter, G. A. and Riegger, P.  
SYNTHESIS OF NEW LIGHT-SENSITIVE PLASTICS.  
[1962] [7]p. 13 refs.  
Order from SLA \$1.10

62-16449

Trans. of Kunststoffe (West Germany) 1954, v. 44  
[no. 7] p. 278[-280].

DESCRIPTORS: Synthesis, \*Plastics, Light, Sensi-  
tivity, \*Photochemistry.

(Materials--Plastics, TT, v. 8, no. 9)

62-16449

I. Schröter, G. A.  
II. Riegger, P.

Office of Technical Services

Aging of Synthetics by the Influence of Light,  
by Hildegard Raeithel, 19pp  
GERMAN, per, Kunststoffe, Vol 44, 1954, No 7,  
pp 281-284  
SIA TT-64-20435

Sci - Mat  
June 67

327,498

|                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Stuart, H. A.<br/>THE STRUCTURE OF CRYSTALLINE HIGH POLY-<br/>MERS. [1960] 8p. (3 figs. 1 table, refs. omitted).<br/>Order from SLA mi\$1.80, ph\$1.80 60-18441</p> <p>Trans. d Kunststoffe (West Germany) 1954, v. 44<br/>[no. 7] p. 285-289.</p> <p><b>143,033</b></p> <p>(Materials--Rubber, TT, v. 5, no. 3)</p> | <p>60-18441</p> <ol style="list-style-type: none"><li>1. Polymers--Crystal structure</li><li>2. Polymers--Melting</li></ol> <p>1. Stuart, H. A.</p> <p>Office of Technical Services</p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Reaction Methods and Identification of Polyvinyl  
Polyacrylic Compounds, by H. Rath, L. Heiss, 16 pp.

GERMAN, no per, Kunststoffe, Vol XLIV, No 8, 1954.

SLA Tr 2472

Sci - Chemistry

53, 313

Sep 57

Kloos, G. R.  
POLYMERIC SOFTENERS. 6p.  
Order from SLA \$1.10

TT-64-16738

Trans. of Kunststoffe (West Germany) 1954, v. 44,  
no. 10, p. 427-430.

TT-64-16738

I. Kloos, G. R.

(Materials--Plastics, TT, v. 12, no. 4)

Office of Technical Services

Effect of Various Additives on Unsaturated Polyester  
Resins, by B. Berndtsson, L. Turunen, 22 pp.

GERMAN, per, Kunststoffe, Vol XLIV, No 10, Oct 1954,  
pp 430-436.

SLA Tr 57-1194

Sci - Chemistry  
Feb 58

58, 510

62-10420

Hasel, W.  
EXPERIMENTS WITH HIGH FREQUENCY PREHEAT-  
ING OF THERMOSETTING PLASTICS. [1961] 9p.  
([refs.] 6 figs. omitted).  
Order from SLA \$1.10

62-10420

Trans. of Kunststoffe (West Germany) 1954. v. 44.  
no. 11. p. 528-532.

DESCRIPTORS: \*Thermosetting resins, Plastics, High  
frequency. Induction heating.

(Materials-Plastics, TT, v. 7, no. 9)

I. Hasel, W.

Office of Technical Services

Modern Working Methods on Twin Screws, by A. J.  
Schaerer, 35 PP.

GERMAN, per, Kunststoffe, Vol XLIV, No 12, Dec  
1954, pp 105-111. (loan copy only)

SLA 57-2761

Sci  
Aug 58

70,829

63-10000

I. Volland, H.

Volland, Hans.  
PREVENTION OF SUNKEN SPOTS, VOIDS, AND  
INTERNAL STRESSES IN THICK-WALLED THERMO-  
PLASTIC RESINS OR THE LIKE WITH LARGE,  
DIFFERING WALL-THICKNESSES. [1962] 7p.  
(figs. omitted).

Order from SLA \$1.10

63-10000

Trans. of Kunststoffe (West Germany) 1954, v. 44,  
no. 11, p. 525-528.

DESCRIPTORS: \*Thermoplastics, Resins, Injection,  
\*Molding, Thickness, Stresses, Deformation,  
Manufacturing methods, Errors.

Thick-walled injection-molded parts and the like with  
greatly differing wall-thicknesses made of thermo-  
plastic resins are often made under very great  
difficulties. Different methods of manufacture and  
(Materials--Plastics, TT, v. 9, no. 11) (over)

Office of Technical Services

62-10420

I. Hasel, W.

Hasel, W.  
EXPERIMENTS WITH HIGH FREQUENCY PREHEAT-  
ING OF THERMOSETTING PLASTICS. [1961] 9p.  
({refs. } 6 figs. omitted).  
Order from SLA \$1.10

62-10420

Trans. of Kunststoffe (West Germany) 1954, v. 44,  
no. 11, p. 528-532.

DESCRIPTORS: \*Thermosetting resins, Plastics, High  
frequency, Induction heating.

(Materials--Plastics, TT, v. 7, no. 9)

Office of Technical Services

Vacuum Forming Thermoplastics, by E. Escales, 24 pp.

GERMAN, per, Kunststoffe, Vol XLIV, 1954, pp 562-568.

SLA 57-1.327

Sci  
May 58

64,030

Cold Formation of Plastics, by F. H. Mueller.  
GERMAN, per, Kunststoffe, Vol. 44, No 12,  
1954, pp 569-576.  
NTC-70-12751-111

*SLA 57-2696 16 pp (German)*

Feb 72

Modern Processing Methods with the Twin-Screw  
Extruder, by A. J. Schaerer, 12 pp.

GEHMAN, per, Kunststoffe, Vol XLIV, No 12, 1954,  
pp 601-607. (loan copy only)

SLA 57-2664

Sci  
Aug 58

20, 264

On the Problem of Plasticizer Migration, by  
K. Zährer and A. Mars, 15 pp.

ORIGINAL, per, Kunststoffe, Vol XLV, No 1, 1955.  
PP 9-12.

SLA 57-2754

K-H-5309-d

Sci

Vol 58

68,490

Silicon Chemistry - Silicones, by D. Justitz,  
17 pp. (AP-700726)

GERMAN, bk, Kunststoffe, Plastics, Zurich, 1954/1955,  
pp 27-33.

ATTC F-78-8072/V

Sci - Chemistry  
Oct 1956 CTS/dec

40,138

Urgent Extrusion Problems, by H. Reifenhauer,  
16 pp.

QUELAN, par, Kunststoffe, Vol XLV , 1955, pp 93-  
97.

SLA Tr 57-1328

Sci

Jul 58

67,966

<sup>C.A.</sup>  
Adiabatic Extrusion of Polyethylene, by  
H. H. Jacobi, 16 pp.

GERMAN, per, Kunststoffe, Vol XLV, No 3,  
1955, pp 99-103.

SLA Tr 57-1943

Sci

Jul 58

67,959

Studies on the Polymerization of Phenol Alcohols  
by Paper Chromatography, by J. Reese, 19 pp.

GERMAN, per, Rinstatoffe, Vol XLV, No 4, 1955,  
pp 137-145.

Assoc Tech Serv

62070

100-62070-1

Sci - Chem

May 59

CTB, V. I, No 6

86,319

Schulz, Georg and Mehnert, Karl.  
A NEW POLYETHYLENE, II. [1961] 20p. 10 refs.  
Order from SLA ml\$2.40, ph\$3.30 61-10704

Trans. of Kunststoffe (West Germany) 1955, v. 45  
[no. 12] p. 101-104 and 595.

The processing characteristics and potential applications are given for the polyethylene manufactured under the trade name Hostalen.

(Materials--Plastics, TT, v. 5, no. 12)

61-10704

1. Ethylene polymers--  
Properties
2. Title: Hostalen
1. Schulz, G.
- II. Mehnert, K.

148625

Office of Technical Services

Peukert, H.  
HOT-GAS WELDING OF RIGID- AND PLASTICIZED  
POLYVINYL CHLORIDE. [1962] 17p. (figs. tables  
omitted) 4 refs.  
Order from SLA \$1.60

62-16999

Trans. of Kunststoffe (West Germany) 1955, v. 45,  
no. 7, p. 257-266.

DESCRIPTORS: \*Vinyl chlorides, \*Polymers, \*Welding  
rods, \*Welded joints, \*Welding, \*Plasticizers, Mechan-  
ical properties, Bonding, Impurities, Decomposition

Some problems on the hot-gas welding of rigid- and  
plasticized polyvinyl chloride with filler-wire and dis-  
cussed. The influence of the welding-wire composition  
on the strength of the weld-seam is especially studied  
and the most favorable working conditions for welding  
are ascertained. (Author)  
(Metallurgy, TT, v. 9, no. 2)

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I. Peukert, H.

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Irreversible Heating Properties of Solid Organic  
Insulents, by C. Reimer.

GERMAN, per. Kunststoffe, Vol XLV, 1955, pp 367-374.

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Injection and Transfer Moulding of Rigid Polyvinyl  
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PROCESS. [1962] [5]p. 14 refs.  
Order from SLA \$1.10

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Trans. of Kunststoffe (West Germany) 1955, v. 45,  
no. 11, p. 506-507 (unbridged version pub. in  
Angewandte Chemie (West Germany) 1955, v. 67  
[no. 19/20] p. 541-547).

DESCRIPTORS: \*Polyethylene plastics, Production,  
\*Ziegler catalysts, Catalysis, Theory, Ethylenes,  
Polymerization, Pressure.

(Materials--Plastics, TT, v. 10, no. 1)

1. Title: Mulheimer process  
1. Ziegler, K.

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A New Polythene. II, by G. Schulz, K. Mehnert.

GERMAN, per, Kunststoffe, Vol XLV, No 12, Dec 1955,  
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Trans. of Kynastoff (West Germany) 1955, v. 45, no. 1,  
p. 9-12.  
Another trans. is available from K-H \$17.00  
as K-H-5309-d (17)p.

I. Zöhrer, K.  
II. Merz, A.

(Materials--Plastics, TT, v. 12, no. 4)

Office of Technical Services

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| <p>Trans. of Kunststoffe (West Germany) 1956 [v. 46]<br/>no. 1, p. 18-20.</p>                                                 | <p>201312</p>                       |
| <p>DESCRIPTORS: *Metal forming presses, Dies,<br/>Machine tools, Castings, *Metal screws, Plastics,<br/>Milling machines.</p> | <p>Office of Technical Services</p> |
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DIES FOR TUBING AND CROSS HEADS. pt. 1 of  
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no. 4, p. 176-183.

DESCRIPTORS: \*Dies. \*Machine tools. \*Plastics.  
\*Plastic tubing. Processing. \*Extrusion.

Chem. Abstr. 51: 176-183 (1956) (TT, v. 8, no. 9)

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II. Title: Extruder

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GERMAN, per, Kunststoffe, Vol III, Munich, 1956, pp 135, 136.

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Acoustic Application of Foamed Materials,  
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GERMAN, per, Kunststoffe, Vol XLVI,  
No 5, 1956, pp 190-194.

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Polyvinyl Chloride Pastes with Improved Properties,  
by G. Wick, G. Weber.

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Order from SLA \$1.60

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(Materials--Plastics, TT, v. 12, no. 4)

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Polymerization Velocities of Mixtures of Unsaturated Polyester Resins With Various Catalysts and Their Significance for Practice, by P. Maltha, L. Damen, 11 pp.

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Development of an Improved Test Apparatus, by H.  
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